

State of California  
AIR RESOURCES BOARD

Summary of Board Meeting  
June 23, 2005

San Joaquin Valley Unified Air Pollution Control District  
1990 East Gettysburg Avenue  
Fresno, California 93726

MEMBERS PRESENT: Hons. Barbara Riordan, Acting Chairman  
Sandra Berg  
Dorene D'Adamo  
Lydia Kennard  
Dr. Henry Gong  
Ronald Loveridge  
Pat Pineda  
Ron Roberts  
Barbara Patrick

**Agenda Item #**

**05-6-1: Health Update: Studies of Health Impacts of Air Pollution in the San Joaquin Valley**

**SUMMARY OF AGENDA ITEM:**

Staff summarized several studies evaluating the health impacts of air pollution in the San Joaquin Valley. The California Health Interview Survey (CHIS) has found increased asthma prevalence in both children and adults in the Valley, compared to the statewide average. A study by Kaiser Permanente on respiratory hospitalizations in the San Joaquin and Sacramento Valleys found a relationship to air pollutant concentrations. Finally, ARB is funding the Fresno Asthmatic Children's Environment Study (FACES), which is studying the progression of asthma and its relationship to air pollution (including biological components) in asthmatic children in Fresno.

Several Board Members inquired about details of the FACES study. In addition, Dr. Gong asked what pollutant was the most significant cause of public health concerns in the valley. Dr. Bowers answered that it was most likely fine particulates. Dr. Gong also stressed it was important to study the Valley since the Valley air pollutant mixture is different from Los Angeles.

ORAL TESTIMONY: None

FORMAL BOARD ACTION: None (Informational item)

RESPONSIBLE DIVISION: Research Division

STAFF REPORT: No

**05-6-2: Public Hearing to Consider Definition of a Large Confined Animal Facility (Implementation of Senate Bill 700, Florez 2003)**

**SUMMARY OF AGENDA ITEM:**

State law requires the Air Resources Board to define “large” confined animal facilities” (large CAF) by July 1, 2005 (SB 700, Florez, Statutes of 2003, Chapter 479). Local air districts will use this definition to develop regulations to mitigate emissions from large CAFs. More than 80% of livestock emissions are from dairy operations. Other significant livestock operations include chickens, beef cattle, and turkeys. Over 60% of statewide emissions from livestock operations occur in the San Joaquin Valley.

The large CAF definition was based on several factors including air quality, emissions data, and the structure of the livestock industry within California. The definition excludes small livestock facilities. Local air districts may develop more stringent definitions if they make certain findings.

For dairies, the proposed definition is 1,000 milking cows in the ten federal ozone nonattainment areas as defined in SB 700. For all other areas in California, the threshold for large CAF is 2,000 milking cows. The thresholds for other livestock categories (cattle, pork, etc.) are scaled to be approximately equivalent.

**ORAL TESTIMONY:**

Paul Martin, Western United Dairymen  
Noelle Cremers, California Farm Bureau Federation  
Tracy Schohr, California Cattlemen’s Association  
Todd Stroup, Citizen  
Jim Tully, Citizen  
Denise Mullinax, Hilmar Cheese Company  
Diane Bailey, Natural Resources Defense Council  
Mariel Kusano, Center on Race, Poverty, and the Environment  
Brent Newell, Center on Race, Poverty, and the Environment

Harry Krug, CAPCOA  
Braulio Martinez, Citizen  
Teresa DeAnda, Committee for Well Being of Earlimart  
Esther Martinez, Citizen  
Tom Frantz, Citizen  
William Descary, Citizen (Bakersfield)  
Arthur Unger, Citizen (Bakersfield)  
J.P. Cativiela, CARES  
Kevin Abernathy, California Dairy Campaign  
John Shears, Center for Energy Efficiency on Renewable Technologies  
Carl Zichella, Sierra Club  
Carolina Simunovic, Fresno Metro Ministry  
Nidia Bautista, Coalition for Clean Air  
Mark Stout, Green Energy Network  
Kevin Hamilton, CMC Asthma Program  
David Lighthall, Relational Culture Institute  
Kathryn Phillips, Environmental Defense  
Daniela Simunovic, Citizen  
Susan Frank, Citizen (Bakersfield)

FORMAL BOARD ACTION:

The Board adopted Resolution 05-35 by a vote of 6 to 3, approving the proposed definitions for large confined animal facilities. The resolution directs the Executive Officer to adjust the large CAF definition for feedlots, if appropriate, to more accurately reflect the size distribution of cattle at beef feedlots. If the Executive Officer decides an adjustment is appropriate, the modification will be made available for a supplemental 15-day comment period. The Board also directed staff to report on the status of the large CAF definition within three years.

RESPONSIBLE DIVISION: Planning and Technical Support Division

STAFF REPORT: Yes

**05-6-3: Public meeting to consider adoption of emission standards and test procedures for new 2007 and later off-road large spark ignition (LSI) engines and fleet requirements for users of off-road LSI engines**

SUMMARY OF AGENDA ITEM:

This rulemaking item on large spark-ignition (LSI) affects engine manufacturers, fleet users and manufacturers of retrofit control

systems. The requirements for engine manufacturers include new engine certification standards and test procedures that align with pending 2007 U.S. EPA requirements. The proposed fleet standards would require operators to procure lower or zero-emission equipment and address uncontrolled equipment within their fleets. For manufacturers of retrofit emission control systems, the requirements establish a new procedure for verifying LSI retrofit emission control systems to address emissions from existing engines.

ORAL TESTIMONY:

Ginny Barker, 34<sup>th</sup> Assembly District  
Julie Griffiths, 34<sup>th</sup> Assembly District  
Mary Reynolds, Western Propane Gas Association  
Joseph Kubsh, Manufacturers of Emission Controls Association  
Ranjan Nirgude, Tennant  
Manuel Cunha, Nisei Farmers League  
Roger Isom, California Cotton Ginners Association  
Shirley Batchman, California Citrus Mutual  
Betty Hawkins, Air Transport Association  
Bill Jacob, UPS Airlines  
Robert Schlingman, United Airlines  
Karen Hay, Impco  
Gary Cross, Dunaway & Cross  
Rich Gregerson, Alta Lift  
Julene Orosco, Wholesale Equipment of Fresno  
Audie Burgan, JM Equipment  
John L. Waugh, Gray Lift Inc.  
Pete Thomas, Team Power Forklifts  
Randal Friedman, U.S. Navy  
Kathleen Phillips, Environmental Defense Fund  
Mary Madland, Madland Toyota-Lift, Inc.  
Cesar Baumann, Lubrizol ECS

FORMAL BOARD ACTION:

The item was presented by staff, and public testimony was heard but no vote was taken. The item was scheduled to be continued at the September 2005 Board meeting.

RESPONSIBLE DIVISION: Mobile Source Control Division

STAFF REPORT: Yes

**05-6-4:**

**Update to the Board on biodiesel fuel in California**

**SUMMARY OF AGENDA ITEM:**

The staff briefed the Board on the use of biodiesel in California. Biodiesel can potentially reduce criteria and toxic emissions as well as reduce greenhouse-warming gases. However, biodiesel may increase NOx emissions.

Staff presented information on the production and use of biodiesel fuel in California and the potential of biodiesel to reduce the dependence on petroleum based fuels. This discussion included the barriers that limit the increased production and use of biodiesel in California. Cost, supply, and production capacity issues were summarized. Also included in this discussion are the efforts within the government to provide avenues and incentives for the use of biodiesel. Staff discussed the efforts of the Division of Measurement Standards to regulate the commercial sale of biodiesel in California. Staff discussed efforts to develop biodiesel specifications, including efforts by ASTM to adopt test methods and fuel specifications for pure and blends of biodiesel. Biodiesel specifications are needed to protect air quality and engines that use this fuel. Finally staff discussed efforts to encourage biodiesel in ARB's regulatory programs.

**ORAL TESTIMONY**

Mr. Randal Friedman, US Navy  
Mr. Joe Gershen, LA Biofuels  
Dr. Randall Von Wedel, Cytoculture  
For Scott Hughes (Randall Von Wedel), National Biodiesel Board  
Mr. Josh Tickell, Citizen  
Mr. Russel Teal, Biodiesel Industries  
Mr. Bryan Qualls, Bay Area Biofuel

**FORMAL BOARD ACTION:** None (Informational Item)

**RESPONSIBLE DIVISION:** Stationary Source Division

**STAFF REPORT:** None